

Claims

1. A fiber conveying and depositing device to be connected to a carder, wherein the sliver, downstream of the carder exit, passes through a draw frame (2) comprised of at least two driven roller pairs and then reaches a can coiler (3), wherein the draw frame (2) has a main drive as well as a regulating drive for the last roller pair, characterized by
 - a. deflection means (7,8) for the sliver (5) arranged between the last roller pair of the draw frame (2) and the can coiler (3), wherein the deflection means are displaceable for compensation of the sliver length,
 - b. signal transducers (15 a, 15 b) for a first and a second end positions of the deflection means (7, 8),
 - c. means for changing the speed of the can coiler drive upon signal emission by one of the signal transducers (15 a, 15 b) and as a function of the time interval elapsed since the last signal emission.
2. The fiber conveying and depositing device according to claim 1, characterized in that for detection of the two end positions two signal transducers (15 a, 15 b), respectively, are arranged slightly displaced relative to one another.
3. The fiber conveying and depositing device according to claim 1 or 2, characterized by proximity switches as signal transducers (15 a, 15 b).
4. The fiber conveying and depositing device according to one of the claims 1 to 3, characterized by a roller (8) as a deflection means that is arranged to be freely rotatable on a free end of the arm (7) that is pivotable about

a pivot axis (6).

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5. The fiber conveying and depositing device according to claim 4, characterized in that the roller (8) and arm (7) are pretensioned relative to the sliver (5), preferably by a weight element (10) arranged on the arm (7).
6. The fiber conveying and depositing device according to one of the claims 4 or 5, characterized in that the swivel arm (7) is comprised of a thin-walled tube (9), preferably comprised of carbon fiber.
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7. The fiber conveying and depositing device according to one of the claims 4 to 6, characterized by an additional roller (14) as a further deflection means that is stationarily supported on the pivot axis (6) for the arm.
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8. The fiber conveying and depositing device according to claim 7, characterized in that the pivot axis (6) for the arm (7) is arranged above the can coiler (3) and in that the sliver (5) is guided vertically between the additional roller (14) and the can coiler (3).
9. The fiber conveying and depositing device according to one of the claims 1 to 8, characterized in that the deflection means are provided with a damping element (16) having a progressive damping characteristic line and acting in the displacement direction.
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10. The fiber conveying and depositing device according to claim 5 in connection with claim 9, characterized in that the damping element (16) acts on the pivot axis of the swivel arm (7).